

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077917.D
 Acq On : 15 Dec 2023 23:34
 Operator : RP/MD
 Sample : VD1215SBS02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1215SBS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 16 05:10:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	116330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	212749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	196642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	98762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	82842	60.434	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.860%			
35) Dibromofluoromethane	7.804	113	83447	55.996	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.000%			
50) Toluene-d8	10.269	98	330165	55.317	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.640%			
62) 4-Bromofluorobenzene	12.575	95	99590	55.810	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	28333	19.498	ug/l	96
3) Chloromethane	2.152	50	48398	24.434	ug/l	95
4) Vinyl Chloride	2.287	62	62489	23.239	ug/l	96
5) Bromomethane	2.693	94	42973	28.481	ug/l	95
6) Chloroethane	2.834	64	45205	24.658	ug/l	100
7) Trichlorofluoromethane	3.181	101	50996	20.592	ug/l	95
8) Diethyl Ether	3.599	74	15360	22.088	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.963	101	28496	20.113	ug/l	99
10) Methyl Iodide	4.169	142	31599	28.758	ug/l	92
11) Tert butyl alcohol	5.051	59	7723	110.715	ug/l #	81
12) 1,1-Dichloroethene	3.946	96	30745	21.987	ug/l #	74
13) Acrolein	3.793	56	14662	101.115	ug/l	88
14) Allyl chloride	4.563	41	40300	20.955	ug/l	91
15) Acrylonitrile	5.246	53	34734	116.656	ug/l	97
16) Acetone	4.016	43	40655	120.942	ug/l #	84
17) Carbon Disulfide	4.275	76	92609	19.576	ug/l	96
18) Methyl Acetate	4.569	43	27249	25.241	ug/l	89
19) Methyl tert-butyl Ether	5.310	73	67657	22.805	ug/l	92
20) Methylene Chloride	4.804	84	46395	26.281	ug/l #	85
21) trans-1,2-Dichloroethene	5.316	96	36001	22.730	ug/l	96
22) Diisopropyl ether	6.216	45	90883	22.614	ug/l	91
23) Vinyl Acetate	6.157	43	203555m	103.717	ug/l	
24) 1,1-Dichloroethane	6.116	63	63440	23.310	ug/l	98
25) 2-Butanone	7.087	43	43487	106.808	ug/l #	87
26) 2,2-Dichloropropane	7.081	77	49100	21.487	ug/l #	73
27) cis-1,2-Dichloroethene	7.087	96	40418	23.716	ug/l	91
28) Bromochloromethane	7.428	49	24556	22.329	ug/l #	80
29) Tetrahydrofuran	7.451	42	24061	110.228	ug/l	88
30) Chloroform	7.598	83	64256	23.590	ug/l	94
31) Cyclohexane	7.875	56	45433	18.634	ug/l #	86
32) 1,1,1-Trichloroethane	7.798	97	53006	22.074	ug/l	99
36) 1,1-Dichloropropene	8.016	75	45023	18.888	ug/l	95
37) Ethyl Acetate	7.169	43	16753	18.024	ug/l #	75
38) Carbon Tetrachloride	7.992	117	46159	19.424	ug/l	98
39) Methylcyclohexane	9.275	83	51458	18.210	ug/l	97
40) Benzene	8.251	78	142084	21.001	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	8748m	18.518	ug/l	
42) 1,2-Dichloroethane	8.328	62	38124	21.739	ug/l	95
43) Isopropyl Acetate	8.363	43	32956	19.946	ug/l	97
44) Trichloroethene	9.028	130	35002	19.853	ug/l	90
45) 1,2-Dichloropropane	9.310	63	35240	21.427	ug/l	100
46) Dibromomethane	9.392	93	18897	21.715	ug/l	96
47) Bromodichloromethane	9.581	83	48859	22.151	ug/l	100
48) Methyl methacrylate	9.381	41	19348	20.600	ug/l #	79
49) 1,4-Dioxane	9.392	88	3078	356.210	ug/l #	66
51) 4-Methyl-2-Pentanone	10.157	43	85030	100.838	ug/l	89
52) Toluene	10.334	92	90522	21.570	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	44927	21.211	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	51988	20.301	ug/l #	86
55) 1,1,2-Trichloroethane	10.734	97	25300	21.255	ug/l	90
56) Ethyl methacrylate	10.598	69	21161	20.167	ug/l #	84
57) 1,3-Dichloropropane	10.881	76	45173	22.016	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	59374	99.223	ug/l	97
59) 2-Hexanone	10.922	43	67035	95.821	ug/l	90
60) Dibromochloromethane	11.075	129	31506	21.984	ug/l	97
61) 1,2-Dibromoethane	11.181	107	24700	22.044	ug/l	95
64) Tetrachloroethene	10.810	164	29297	20.271	ug/l	96
65) Chlorobenzene	11.610	112	95454	19.458	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	34132	20.873	ug/l	97
67) Ethyl Benzene	11.686	91	164233	20.061	ug/l	94
68) m/p-Xylenes	11.792	106	126824	40.499	ug/l	90
69) o-Xylene	12.122	106	58972	20.434	ug/l	92
70) Styrene	12.133	104	88523	20.628	ug/l	94
71) Bromoform	12.298	173	17854	20.896	ug/l #	97
73) Isopropylbenzene	12.422	105	153453	20.501	ug/l	98
74) N-amyl acetate	12.233	43	28561	19.411	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	30610	23.453	ug/l	93
76) 1,2,3-Trichloropropane	12.722	75	15446m	18.008	ug/l	
77) Bromobenzene	12.698	156	37528	21.315	ug/l	91
78) n-propylbenzene	12.763	91	193071	21.168	ug/l	95
79) 2-Chlorotoluene	12.851	91	102910	21.053	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	131076	20.996	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	8806	20.800	ug/l	94
82) 4-Chlorotoluene	12.945	91	111834	21.885	ug/l	93
83) tert-Butylbenzene	13.169	119	109048	20.690	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	131705	21.092	ug/l	97
85) sec-Butylbenzene	13.345	105	157745	20.248	ug/l	98
86) p-Isopropyltoluene	13.457	119	141441	20.278	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	74563	20.709	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	74823	19.852	ug/l	96
89) n-Butylbenzene	13.786	91	131281	20.002	ug/l	98
90) Hexachloroethane	14.057	117	28946	22.565	ug/l	95
91) 1,2-Dichlorobenzene	13.833	146	67390	22.008	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3805	19.528	ug/l	87
93) 1,2,4-Trichlorobenzene	15.098	180	37771	18.058	ug/l	98
94) Hexachlorobutadiene	15.204	225	20555	18.224	ug/l	97
95) Naphthalene	15.333	128	72183	20.771	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	34748	20.151	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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